Sprouts Farmers Market Indirect Program 855 Purchase Order Acknowledgment

855 Purchase Order Acknowledgment

Functional Group=PR

Purpose: This X12 Transaction Set contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (855) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to a seller's acknowledgment of a buyer's purchase order. This transaction set can also be used as notification of a vendor generated order. This usage advises a buyer that a vendor has or will ship merchandise as prearranged in their partnership.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ST	Transaction Set Header	M	1			Must use
0200	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1			Must use
0500	REF	Reference Information	M	2			Must use
0600	PER	Administrative Communications Contact	O	3			Used
LOOP ID - N9					**1000**		
2800	N9	Extended Reference Information	O	1			Used
2900	MTX	Text	M	>1			Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - PO1					**100000**	**N2/0100L**	
0100	PO1	Baseline Item Data	M	1		N2/0100	Must use
LOOP ID - PID					**1000**		
0500	PID	Product/Item Description	M	1			Must use
LOOP ID - ACK					**5**		
2700	ACK	Line Item Acknowledgment	M	1			Must use
LOOP ID - N9					**1000**		
3500	N9	Extended Reference Information	O	1			Used
3600	MTX	Text	O	>1			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - CTT					**1**	**N3/0100L**	
0100	CTT	Transaction Totals	M	1		N3/0100	Must use
0300	SE	Transaction Set Trailer	M	1			Must use

Notes:

2/0100L   PO102 is required.

2/0100   PO102 is required.

3/0100L   The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash

total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

3/0100   The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

General Usage:

Sprouts Farmers Market expects all Purchase Orders to be acknowledged with a Purchase Order Acknowledgment as soon as possible, and at minimum within 24 hours of receipt of the PO.

Sprouts will accept one iteration of the Purchase Order Acknowledgment. Any additional changes in your ability to fulfill must be communicted via phone and email.

Any changes to the delivery date must be communicated via phone.

Change History:

2/26/2019
- Removed BAK02 qualifiers 'AK' and 'RJ'
- Updated PO1 to Mandatory

5/7/2019
- Added 'HR' (Hours) as a valid PO103 and ACK03 code

9/23/2024
-Updated user notes for BAK02 codes

ST   Transaction Set Header

Pos: 0100	Max: 1
Heading - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must use

Purpose: To indicate the start of a transaction set and to assign a control number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set

CodeList Summary (Total Codes: 318, Included: 1)

Code	Name
855	Purchase Order Acknowledgment

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Semantics:

1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

BAK Beginning Segment for Purchase Order Acknowledgment

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

User Option (Usage): Must use

Purpose: To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK01	353	**Transaction Set Purpose Code**	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

CodeList Summary (Total Codes: 66, Included: 1)

Code	Name
00	Original

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK02	587	**Acknowledgment Type**	M	ID	2/2	Must use

Description: Code specifying the type of acknowledgment

CodeList Summary (Total Codes: 15, Included: 3)

Code	Name
AC	Acknowledge - With Detail and Change

> **User Note 1:**
>   *PO1 and ACK segments are required*
>
> **User Note 2:**
> *Used when there is a requested change to the original Purchase Order. This change could be either a line item change/rejection or a header level change. Detail information is required even for header level only changes.*
>
> *Multiple ACK segments are required per PO1 if several changes for a single line item are being sent.*

Code	Name
AD	Acknowledge - With Detail, No Change

> **User Note 1:**
>   *PO1 and ACK segments are required*
>
> **User Note 2:**
> *Used when there are no changes to the original Purchase Order. All line items are acknowledged as accepted with line item detail provided.*

Code	Name
RD	Reject with Detail

> **User Note 1:**
>   *PO1 and ACK segments are required*
>
> **User Note 2:**
> *Used when the entire Purchase Order is being rejected. All line items are rejected with line item detail provided.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK03	324	**Purchase Order Number**	M	AN	1/22	Must use

Description: Identifying number for Purchase Order assigned by the orderer/purchaser

> **User Note 1:** *Purchase Order Number*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK04	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

User Note 1: *Purchase Order Date*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK09	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

User Note 1: *PO Acknowledgement Date*

Semantics:

1. BAK04 is the date assigned by the purchaser to purchase order.
2. BAK08 is the seller's order number.
3. BAK09 is the date assigned by the sender to the acknowledgment.

REF   Reference Information

Pos: 0500   Max: 2
Heading - Mandatory
Loop: N/A   Elements: 2

User Option (Usage): Must use
Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1731, Included: 1)

Code	Name
IA	Internal Vendor Number

> **User Note 1:**
>
> *Sprouts assigned vendor number - Mandatory*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	M	AN	1/50	Must use

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

PER   Administrative Communications Contact

User Option (Usage): Used

Purpose: To identify a person or office to whom administrative communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER01	366	**Contact Function Code**	M	ID	2/2	Must use

Description: Code identifying the major duty or responsibility of the person or group named

CodeList Summary (Total Codes: 238, Included: 1)

Code   Name
IC   Information Contact

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER02	93	**Name**	O	AN	1/60	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER03	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number

CodeList Summary (Total Codes: 42, Included: 2)

Code   Name
EM   Electronic Mail
TE   Telephone

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER04	364	**Communication Number**	X	AN	1/256	Used

Description: Complete communications number including country or area code when applicable

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER05	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number

CodeList Summary (Total Codes: 42, Included: 2)

Code   Name
EM   Electronic Mail
TE   Telephone

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER06	364	**Communication Number**	X	AN	1/256	Used

Description: Complete communications number including country or area code when applicable

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

Loop Extended Reference Information

<div style="border:1px solid black; padding:5px;">
Pos: 2800   Repeat: 1000
Conditional
Loop: N9   Elements: N/A
</div>

User Option (Usage): Used
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
2800	N9	Extended Reference Information	O	1		Used
2900	MTX	Text	M	>1		Must use

User Note 1:

If the Purchase Order (EDI 850) is being rejected in full (BAK02=RD) you must include a note as to why.

N9 Extended Reference Information

<table>
<tr><td>Pos: 2800</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N9</td><td>Elements: 2</td></tr>
</table>

Loop Path: N9

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1731, Included: 1)

Code	Name
L1	Letters or Notes

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N902	127	**Reference Identification**	X	AN	1/50	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

User Note 1: *N902 should contain the following 3 character code to identify the type of note to*
follow in MTX02.
. GEN:General Note

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

MTX **Text**

Loop Path: N9
User Option (Usage): Must use
Purpose: To specify textual data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MTX02	1551	**Textual Data**	X	AN	1/4096	Used

Description: To transmit large volumes of message text

User Note 1: *If N902 =*
. GEN - MTX02 is a General Note

Syntax Rules:

1. C0102 - If MTX01 is present, then MTX02 is required.
2. C0302 - If MTX03 is present, then MTX02 is required.
3. C0504 - If MTX05 is present, then MTX04 is required.

Semantics:

1. MTX05 is the number of lines to advance before printing.

Comments:

1. If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

Loop Baseline Item Data

Pos: 0100	Repeat: 100000
Mandatory	
Loop: PO1	**Elements: N/A**

User Option (Usage): Must use

Purpose: To specify basic and most frequently used line item data

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0100	PO1	Baseline Item Data	M	1		Must use
0500		Loop PID	M		1000	Must use
2700		Loop ACK	M		5	Must use
3500		Loop N9	O		1000	Used

PO1 **Baseline Item Data**

<div style="border:1px solid">

Pos: 0100   **Max: 1**

Detail - Mandatory

Loop: PO1   **Elements: 6**

</div>

Loop Path: PO1
User Option (Usage): Must use
Purpose: To specify basic and most frequently used line item data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO101	350	**Assigned Identification**	M	AN	1/20	Must use

Description: Alphanumeric characters assigned for differentiation within a transaction set
User Note 1: *PO101 must match the PO101 value from the Purchase Order.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO102	380	**Quantity**	M	R	1/15	Must use

Description: Numeric value of quantity
User Note 1: *Original ordered Qty*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO103	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
User Note 1: *Unit Of Measure from the 850 Purchase Order must be returned on the 855 Purchase Order Acknowledgement*

CodeList Summary (Total Codes: 844, Included: 33)

Code	Name
BD	Bundle
BG	Bag
BK	Book
BO	Bottle
BX	Box
CA	Case
CG	Card
CT	Carton
DH	Miles
DZ	Dozen
EA	Each
GS	Gross
HR	Hours
HU	Hundred
HV	Hundred Weight (Short)
KT	Kit
LF	Linear Foot
LO	Lot
PA	Pail
PD	Pad
PH	Pack (PAK)
PL	Pallet/Unit Load
PR	Pair

		Code	**Name**			
		Q4	Fifty			
		RL	Roll			
		RM	Ream			
		SE	Section			
		SH	Sheet			
		ST	Set			
		TB	Tube			
		TC	Truckload			
		TH	Thousand			
		TY	Tray			

PO104	212	**Unit Price**	M	R	1/17	Must use

Description: Price per unit of product, service, commodity, etc.

User Note 1: *If ACK01 = IP, the new price must be provided here.*

PO106	235	**Product/Service ID Qualifier**	M	ID	2/2	Must use

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

CodeList Summary (Total Codes: 519, Included: 1)

Code	**Name**
VN	Vendor's (Seller's) Item Number

PO107	234	**Product/Service ID**	M	AN	1/48	Must use

Description: Identifying number for a product or service

Syntax Rules:

1. C0302 - If PO103 is present, then PO102 is required.
2. C0504 - If PO105 is present, then PO104 is required.
3. P0607 - If either PO106 or PO107 is present, then the other is required.
4. P0809 - If either PO108 or PO109 is present, then the other is required.
5. P1011 - If either PO110 or PO111 is present, then the other is required.
6. P1213 - If either PO112 or PO113 is present, then the other is required.
7. P1415 - If either PO114 or PO115 is present, then the other is required.
8. P1617 - If either PO116 or PO117 is present, then the other is required.
9. P1819 - If either PO118 or PO119 is present, then the other is required.
10. P2021 - If either PO120 or PO121 is present, then the other is required.
11. P2223 - If either PO122 or PO123 is present, then the other is required.
12. P2425 - If either PO124 or PO125 is present, then the other is required.

Semantics:

1. PO102 is quantity ordered.

Comments:

1. See the Data Element Dictionary for a complete list of IDs.
2. PO101 is the line item identification.
3. PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

User Note 1:
PO1 loop is required when BAK02 = AD, AC or RD

Loop Product/Item Description

<table>
<tr><td colspan="2">Pos: 0500   Repeat: 1000</td></tr>
<tr><td colspan="2" align="center">Mandatory</td></tr>
<tr><td>Loop: PID</td><td>Elements: N/A</td></tr>
</table>

Loop Path: PO1
User Option (Usage): Must use
Purpose: To describe a product or process in coded or free-form format

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0500	PID	Product/Item Description	M	1		Must use

PID   Product/Item Description

Pos: 0500	Max: 1
Detail - Mandatory	
Loop: PID	**Elements: 3**

Loop Path: PO1-PID

User Option (Usage): Must use

Purpose: To describe a product or process in coded or free-form format

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	349	**Item Description Type**	M	ID	1/1	Must use

Description: Code indicating the format of a description

CodeList Summary (Total Codes: 3, Included: 1)

Code	Name
F	Free-form

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID02	750	**Product/Process Characteristic Code**	M	ID	2/3	Must use

Description: Code identifying the general class of a product or process characteristic

CodeList Summary (Total Codes: 238, Included: 1)

Code	Name
08	Product

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID05	352	**Description**	M	AN	1/80	Must use

Description: A free-form description to clarify the related data elements and their content

Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. C0804 - If PID08 is present, then PID04 is required.
5. C0905 - If PID09 is present, then PID05 is required.

Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

Loop Line Item Acknowledgment

<table>
<tr><td>Pos: 2700</td><td>Repeat: 5</td></tr>
<tr><td colspan="2">Mandatory</td></tr>
<tr><td colspan="2">Loop: ACK   Elements: N/A</td></tr>
</table>

Loop Path: PO1
User Option (Usage): Must use
Purpose: To acknowledge the ordered quantities and specify the ready date for a specific line item

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
2700	ACK	Line Item Acknowledgment	M	1		Must use

User Note 1:

Multiple ACK segments are required per PO1 if several changes for a single line item are being sent.

ACK Line Item Acknowledgment

Pos: 2700	**Max: 1**
Detail - Mandatory	
Loop: ACK	**Elements: 3**

Loop Path: PO1-ACK

User Option (Usage): Must use

Purpose: To acknowledge the ordered quantities and specify the ready date for a specific line item

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK01	668	**Line Item Status Code**	M	ID	2/2	Must use

Description: Code specifying the action taken by the seller on a line item requested by the buyer

CodeList Summary (Total Codes: 26, Included: 5)

Code	Name
IA	Item Accepted
IP	Item Accepted - Price Changed
IQ	Item Accepted - Quantity Changed
IR	Item Rejected
IS	Item Accepted - Substitution Made

> **User Note 1:**
>
> *If an item is being substituted, the new item number must be sent in the MTX segment. The original item number should be sent in the PO1 segment.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK02	380	**Quantity**	C	R	1/15	Used

Description: Numeric value of quantity

User Note 1: *Required when ACK01 = IQ*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK03	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

User Note 1: *Required when ACK01 = IQ*

CodeList Summary (Total Codes: 844, Included: 33)

Code	Name
BD	Bundle
BG	Bag
BK	Book
BO	Bottle
BX	Box
CA	Case
CG	Card
CT	Carton
DH	Miles
DZ	Dozen
EA	Each
GS	Gross
HR	Hours

Code	**Name**
HU	Hundred
HV	Hundred Weight (Short)
KT	Kit
LF	Linear Foot
LO	Lot
PA	Pail
PD	Pad
PH	Pack (PAK)
PL	Pallet/Unit Load
PR	Pair
Q4	Fifty
RL	Roll
RM	Ream
SE	Section
SH	Sheet
ST	Set
TB	Tube
TC	Truckload
TH	Thousand
TY	Tray

Syntax Rules:

1. P0203 - If either ACK02 or ACK03 is present, then the other is required.
2. C0405 - If ACK04 is present, then ACK05 is required.
3. P0708 - If either ACK07 or ACK08 is present, then the other is required.
4. P0910 - If either ACK09 or ACK10 is present, then the other is required.
5. P1112 - If either ACK11 or ACK12 is present, then the other is required.
6. P1314 - If either ACK13 or ACK14 is present, then the other is required.
7. P1516 - If either ACK15 or ACK16 is present, then the other is required.
8. P1718 - If either ACK17 or ACK18 is present, then the other is required.
9. P1920 - If either ACK19 or ACK20 is present, then the other is required.
10. P2122 - If either ACK21 or ACK22 is present, then the other is required.
11. P2324 - If either ACK23 or ACK24 is present, then the other is required.
12. P2526 - If either ACK25 or ACK26 is present, then the other is required.
13. P2728 - If either ACK27 or ACK28 is present, then the other is required.
14. C282729 - If ACK28 is present, then ACK27 and ACK29 are required.

Semantics:

1. ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.

Loop Extended Reference Information

Pos: 3500	Repeat: 1000
Optional	
Loop: N9	Elements: N/A

Loop Path: PO1

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
3500	N9	Extended Reference Information	O	1		Used
3600	MTX	Text	O	>1		Used

User Note 1:

If the line item is being rejected (ACK01 = IR), please include a note as to why. If and item is being substituted (ACK01=IS), please include the new item number in the note.

N9 Extended Reference Information

Loop Path: PO1-N9

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1731, Included: 1)

Code	Name
L1	Letters or Notes

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N902	127	**Reference Identification**	X	AN	1/50	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

User Note 1: *N902 should contain the following 3 character code to identify the type of note to*
follow in MTX02.
. GEN:General Note

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

MTX   Text

Pos: 3600	**Max: >1**
Detail - Optional	
Loop: N9	**Elements: 1**

Loop Path: PO1-N9
User Option (Usage): Used
Purpose: To specify textual data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MTX02	1551	**Textual Data**	X	AN	1/4096	Used

> **Description:** To transmit large volumes of message text
>
> **User Note 1:** *If N902 =*
> *. GEN - MTX02 is a General Note*

Syntax Rules:

1. C0102 - If MTX01 is present, then MTX02 is required.
2. C0302 - If MTX03 is present, then MTX02 is required.
3. C0504 - If MTX05 is present, then MTX04 is required.

Semantics:

1. MTX05 is the number of lines to advance before printing.

Comments:

1. If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

Loop Transaction Totals

Pos: 0100	Repeat: 1
Optional	
Loop: CTT	**Elements: N/A**

User Option (Usage): Used

Purpose: To transmit a hash total for a specific element in the transaction set

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0100	CTT	Transaction Totals	M	1		Must use

CTT **Transaction Totals**

<table>
<tr><td>Pos: 0100</td><td align="right">Max: 1</td></tr>
<tr><td colspan="2" align="center">Summary - Mandatory</td></tr>
<tr><td>Loop: CTT</td><td align="right">Elements: 1</td></tr>
</table>

Loop Path: CTT
User Option (Usage): Must use
Purpose: To transmit a hash total for a specific element in the transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	**Number of Line Items**	M	N0	1/6	Must use

        Description: Total number of line items in the transaction set

Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

SE Transaction Set Trailer

Pos: 0300   Max: 1
Summary - Mandatory
Loop: N/A   Elements: 2

User Option (Usage): Must use

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments**	M	N0	1/10	Must use

Description: Total number of segments included in a transaction set including ST and SE segments

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Comments:

1. SE is the last segment of each transaction set.